

Ortega, Rene

From: Ortega, Rene
Sent: Friday, July 20, 2001 1:50 PM
To: 'William.Veljovich@West.Boeing.com'
Cc: Frady, Greg; Aggarwal, Pravin; Wilson, David
Subject: FW: ECP 1383 Structural Assessment

Bill,

Here is my response to the unsolicited comment:

The original request for the analysis package was made in February, 01. Which is prior to the 60 test database, although it shouldn't make a difference.

Also, I refer you to ECP 1383 page 4. Structural Analysis is listed as the first item used as justification/mitigation against the possibility of catastrophic failure. Certification hot fire testing is item #5 (By the way RKDNs requirement for this is 2 tests). Flight decisions are based on a multitude of things and yes testing is a major part of it. I hope that RKDN is not having the complacency of relying on test alone and broad brushing all other factors when making flight decisions. When consideration to other factors is duly given (such as analysis, inspection, traceability) then the free flow of information/communication and the best effort & attention to detail by all disciplines is what ensures the safety margin. And, finally test alone does not tell you what the safety margins are as required by CEI, thus requiring the need for analysis and its review by the appropriate peers.

Rene.

From: Frady, Greg
Sent: Friday, July 20, 2001 1:05 PM
To: Ortega, Rene; Aggarwal, Pravin
Subject: FW: ECP 1383 Structural Assessment

Be sure to read the bottom of the message as well.

-----Original Message-----

From: Veljovich, William [<mailto:William.Veljovich@West.Boeing.com>]
Sent: Friday, July 20, 2001 11:39 AM
To: Larson, John E
Cc: 'Frady, Greg'; Lim, Kristianto; Stump, Charles H
Subject: ECP 1383 Structural Assessment

John,

Greg Frady has requested a copy of the Structural Assessment package for the structural components (line, off-set mount/bracket, pressure transducer) associated with ECP 1383 (Preburner Fuel Supply Duct pressure measurement hardware). Please let Greg know how soon we may be able to send him a copy of the data package he is requesting (I believe that Kris is currently in the process of cleaning up and formalizing that package). I believe that Pravin has also expressed an interest in that package and that Greg plans to pass it on to Pravin.

Thanks

Bill

PS. Unsolicited comment: After approximately 60 successful tests of this hardware on the F12.1 port, I am totally baffled about what the stress analysis (no matter how perfect, clear or pristine it may be) would tell us that is more convincing or more compelling than the evidence represented by

the 60 successful tests themselves. I wish somebody would enlighten me.